

A Sprint is a fixed period or duration in which a team works to complete a set of tasks.

An Epic is a big task or feature that is too large to complete in one sprint. It is broken down into smaller tasks (stories).

A Story is a small task that is part of an Epic.

A Story Point is a number that represents how much effort a story takes to complete (Fibonacci series used: 1, 2, 3, 5).

1 – Very Easy task

2 – Easy task

3 – Moderate task

5 – Difficult task

Story Point Scale – 5 (1, 2, 3, 5)

### Sprint 1

Project Setup & UI Development (Epic 1)

Setup Streamlit Project Structure (USN1) – 2

Design User Input Interface (USN2) – 3

Input Validation Implementation (USN3) – 2

AI Model Integration (Epic 2)

Integrate Gemini Flash Lite Model (USN4) – 5

Recipe Generation using Prompt Engineering (USN5) – 3

Output Display (Epic 3)

Display Generated Recipe Clearly (USN6) – 2

Total Story Points in Sprint 1 =

$$2 + 3 + 2 + 5 + 3 + 2 = 17$$

### Sprint 2

Feature Enhancement (Epic 4)

Add Programming Joke Feature (USN7) – 2

Improve Prompt Customization (USN8) – 3

Add Recipe Download / Copy Option (USN9) – 2

Testing & Optimization (Epic 5)

Application Testing (USN10) – 3

Optimize API Calls & Performance (USN11) – 3

Deployment (Epic 6)

Deploy Application on Streamlit Cloud (USN12) – 5

Total Story Points in Sprint 2 =

$$2 + 3 + 2 + 3 + 3 + 5 = 18$$

### Total Story Points

Sprint 1 = 17

Sprint 2 = 18

Total Story Points =  $17 + 18 = 35$

Number of Sprints = 2

Velocity = Total Story Points Completed / Number of Sprints

Velocity =  $35 / 2$

Velocity =  $17.5 \approx 18$  Story Points per Sprint

Your team's velocity is approximately 18 Story Points per Sprint.